

**A SYSTEM AND METHOD FOR TRANSFERRING FUEL IN FLIGHT FROM A
TANKER AIRCRAFT TO MULTIPLE RECEIVER AIRCRAFT**

5

ABSTRACT

10 A trailing boom system for aerial refueling and a method for aerial
refueling of multiple receiver aircraft. The trailing boom system for aerial refueling
comprises a parent pod capable of being connected to a wing of an aircraft and a
detachable pod comprising an extendible boom for refueling aircraft in flight.

FIG. 2C

15